

Defensin α4 rabbit pAb

Cat No.: ES4990

For research use only

Overview

Product Name Defensin α4 rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Rat; Mouse;

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/40000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human Defensin alpha4. AA

range:27-76

Specificity Defensin α4 Polyclonal Antibody detects

endogenous levels of Defensin $\alpha 4$ protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Neutrophil defensin 4

Gene Name DEFA4

Cellular localization Secreted . Cytoplasmic vesicle, secretory vesicle .

Stored as mature peptide in neutrophil granules. .

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 1669 Human Swiss-Prot Number P12838

Alternative Names DEFA4; DEF4; Neutrophil defensin 4; Defensin;

alpha 4; HNP-4; HP-4

Background defensin alpha 4(DEFA4) Homo sapiens

Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces

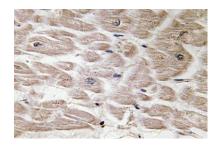


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such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several alpha defensin genes are clustered on chromosome 8. This gene differs from other genes of this family by an extra 83-base segment that is apparently the result of a recent duplication within the coding region. The protein encoded by this gene, defensin, alpha 4, is found in the neutrophils; it exhibits corticostatic activity and inhibits corticotropin stimulated corticosterone production. [provided by RefSeq, Oct 2014],

Immunohistochemistry analysis of Defensin $\alpha 4$ antibody in paraffin-embedded human heart tissue.



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